

# Short circuit proof low profile transformer FLD 4/15



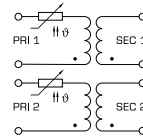
## Advantages

|  |
|--|
| Minimum size at high output  |
| Low height   |
| Integrated overload protection using PTC in the input  |
| Double input voltage for series or parallel connection   |
| Double output voltage for series or parallel connection  |
| Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDensiFill resin encapsulation |
| Coil shell in 2-chamber technology   |
| Self-extinguishing potting material  |

## Applications

As a safety isolating transformer for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and PELV circuits because of the limit on the output voltage.

## Circuit Diagram



## Standards



Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6

## Approvals



ENEC 10 (VDE)

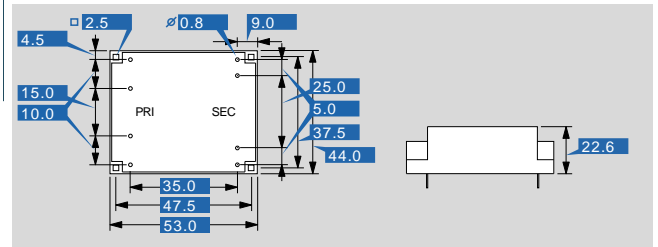


## Short circuit proof low profile transformer FLD 4/15

| Type                       |                                    | FLD 4/15                     |
|----------------------------|------------------------------------|------------------------------|
| Electrical data            | Input                              |                              |
|                            | Rated input Voltage                | 2 x 115 Vac                  |
|                            | Rated frequency                    | 50 - 60 Hz                   |
|                            | Output                             |                              |
|                            | Rated output voltage               | 2 x 15 Vac                   |
|                            | Rated Power                        | 4.0 VA                       |
|                            | No-load voltage (app. x factor)    | 1.37                         |
|                            | No-load loss (typ.)                | 0.80 W                       |
|                            | Efficiency                         | 70 %                         |
|                            | Standards                          |                              |
|                            | Classification                     | Safety isolating transformer |
|                            | Approvals                          |                              |
|                            | Approvals                          | ENEC 10 (VDE)                |
|                            | Environment                        |                              |
|                            | Ambient temperature max.           | 40 °C                        |
| Safety and protection      |                                    |                              |
| Type                       | encapsulated                       |                              |
| Class of Insulation System | E                                  |                              |
| Protection index           | IP 00                              |                              |
| Safety class (prepared)    | II                                 |                              |
| Short circuit strength     | non-inherently short-circuit proof |                              |
| Order numbers              |                                    |                              |
| <b>Order Number</b>        | <b>FLD 4/15</b>                    |                              |

| Type                  |  | FLD 4/15                        |
|-----------------------|--|---------------------------------|
| Terminal and mounting |  |                                 |
| Terminals             |  | Pins for printed circuit boards |
| Measures and weights  |  |                                 |
| Core type             |  | UI 30/10,5                      |
| Weight                |  | 0.18 kg                         |

30  
Mechanical data



Subjects to change.

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